6.EE.2: Worksheet

1. Write an expression for the calculation "The sum of x and 2."

2. Write an expression for the calculation "The product of 4 and the difference between y and 18."

3. Write an expression for the calculation "Half of the sum of triple b and 13 minus 9."

4. Identify all the terms in the expression $2+3(4+7x)$.

5. Identify all the different parts (terms, factors, coefficients, etc.) of the expression $10x + 2$.

6. Identify all the different parts (terms, factors, coef- ficients, etc.) of the expression $7(2a + 1)$.

7. What is the value of the expression $3x + 7$ at $x = 8$.

8. What is the value of the expression $3(z^2 - 0.01) - 0.1$ at $z = 0.3$?

9. The volume of a cube is given by the expression s^3 and its surface area is given by the expression $6s^2$, where s is the length of the cube's side. What are the volume and surface area of a cube with a side length of 2 inches?

10. The force of gravity on an object in Newtons depends on the object's mass in kilograms, m, and is given by the expression $9.8m$. If Alice weighs 56.2 kilograms and she falls down the rabbit hole, what is the force of gravity on Alice?

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